



## Big Sky® Product Information Sheet

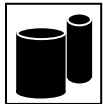
Technical Support (800) 328-4892

P.I. Sheet #1012

### PS5008A™ & PS5009A™ 2K Urethane Primer/Sealer

READ ENTIRE PRODUCT INFORMATION SHEET PRIOR TO USE. IF ANY QUESTIONS ARISE, PLEASE CALL TECHNICAL SUPPORT.

#### COMPONENTS (REQUIRED)



1. PS5008A™ (Beige) Urethane Primer
2. PS5009A™ (Gray) Urethane Primer
3. PS5008B™ Urethane Primer Activator
4. TH0800™ Urethane Series Reducer

#### SPECIALTY COMPONENTS (OPTIONAL)

1. Big Sky® Universal Tints (sealer option only)
2. CR22ACC™ Accelerator
3. TH035™ or TH028™ Low VOC Reducers

#### DESCRIPTION:

PS5008A™ & PS5009A™ are premium quality two-component urethane primers. They offer high film build, quick and easy sanding, while maintaining superior gloss and DOI. PS5008A™ and PS5009A™ may also be used as a tintable sealer for spot and panel repairs. PS5008A™ and PS5009A™ meet the National Rule requirement of 4.8 lbs/gallon VOC for primers.

#### SURFACE PREPARATION

**Note:** Be sure to completely remove all rust or oxidation prior to applying primer. Rust and/or oxidation can be removed by sandblasting, grinding, or sanding. Liquid metal cleaners may also be used followed by the appropriate metal conditioner or conversion coating.

#### Bare Substrates:

- Solvent clean with TH5950™ Strong Wax & Grease Remover or TH5951™ Mild Wax & Grease Remover.
- Finish sand with 180 grit sandpaper.
- TH5950™ Strong Wax & Grease Remover and a red scuff pad may be used to remove light surface oxidation on aluminum. Follow by re-cleaning the aluminum to remove sanding residue with TH5950™ Strong Wax & Grease Remover.

#### Prepainted Substrates:

- Wash the surface with mild detergent and hot water, making sure to rinse well and dry with a clean, dry cloth. Solvent clean with TH5950™ Strong Wax & Grease Remover or TH5951™ Mild Wax & Grease Remover.
- Sand repair area and featheredge as needed, finishing with 320 grit sandpaper.
- Re-clean repair with TH5952™ Fast Evaporating Surface Cleaner to remove sanding residue before priming. On larger areas, the use of TH5951™ Mild Wax & Grease Remover may be desired.

#### Sealer Option:

- Wash the surface with mild detergent and hot water, making sure to rinse well and dry with a clean, dry cloth. Solvent clean with TH5950™ Strong Wax & Grease Remover or TH5951™ Mild Wax & Grease Remover.
- Sand repair areas, finishing with 400 grit sandpaper or finer.
- Re-clean repair with TH5951™ Mild Wax & Grease Remover or TH5952™ Fast Evaporating Surface Cleaner to remove sanding residue before sealing.

#### COMPATIBLE SUBSTRATES

- Properly cleaned and conditioned steel, aluminum, and galvanized steel
- PS3042™/PS3044™/PS3045 Epoxy Primer \*Allow epoxy to flash for 1 hour prior to applying PS5008A™ or PS5009A™

**COMPATIBLE SUBSTRATES CONTINUED**

- PS3008™ ViperGrip II™ or PS5620™ Metal-Etch Primer
- Thoroughly sanded OEM and cured paint
- Sanded fiberglass / SMC
- Cured body filler

**MIX BY VOLUME**



**As a Primer / Surfer**

- 4 Parts PS5008A™/5009A™ Urethane Primer
- 1 Part PS5008B™ Urethane Primer Activator
- ¾ Optional Reduction with TH0800™ Urethane Series Reducer

Mix Ratio in Ounces (As a Primer)						
<b>Primer</b>	4	8	16	24	32	48
<b>Activator</b>	1	2	4	6	8	12
<b>Optional Reducer</b>	¾	1 ½	3	4 ½	6	9

Proper Reducer Selection	
TH0860™ Fast	60 - 70°F
TH0870™ Medium	70 - 80°F
TH0885™ Slow	80 - 90°F
TH0895™ Hot Temp	Above 85°F



**As a Sealer**

- 4 Parts PS5008A™/5009A™ Urethane Primer
- 1 Part PS5008B™ Urethane Primer Activator
- 2 Parts Low VOC Reducer

Mix Ratio in Ounces (As a Sealer)						
<b>Primer</b>	4	8	16	24	32	48
<b>Activator</b>	1	2	4	6	8	12
<b>Reducer</b>	2	4	8	12	16	24

**TINTING**

- For sealer option only.
- PS5008A™/5009A™ may be tinted with any of the Big Sky® Tints (except metallics).
- Use no more than 3 oz. of Big Sky® Tints per quart of PS5008A™/5009A™.
- Tint primer/sealer first, then add activator at a 4:1 mix ratio. Then reduce with low VOC reducer.

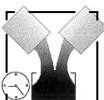
**SPECIALTY COMPONENTS**



Accelerator – CR22ACC™ Accelerator can be used to reduce the sand time.

- Use approximately ½ ounce per mixed quart of primer.
- The use of CR22ACC™ Accelerator will reduce pot life.
- **DO NOT** use fish eye eliminators.

**POT LIFE**



**Catalyzed Primer:** 1 hour at 75°F

**Sealer:** 2 hours at 75°F

- **Note:** Accelerator, reducer, and temperature will affect pot life.
- Clean equipment immediately after use.

## EQUIPMENT SETUP



### Primer / Surfacer

	Fluid Tip	Air Pressure
HVLP Gravity	1.6 – 1.8mm	7 – 10 PSI at the cap
HVLP Siphon	1.8 – 2.0mm	7 – 10 PSI at the cap
High Efficiency Gravity	1.4 – 1.6mm	30 – 40 (PSI) Inlet Pressure
High Efficiency Siphon	1.6 – 1.8mm	30 – 40 (PSI) Inlet Pressure
Conventional Gravity	1.5 – 1.8mm	30 – 40 (PSI) Inlet Pressure
Conventional Siphon	1.6 – 1.8mm	30 – 40 (PSI) Inlet Pressure

### Sealer

HVLP Gravity	1.4 – 1.6mm	7 – 10 PSI at the cap
HVLP Siphon	1.6 – 1.8mm	7 – 10 PSI at the cap
High Efficiency Gravity	1.4 – 1.6mm	30 – 40 (PSI) Inlet Pressure
High Efficiency Siphon	1.5 – 1.6mm	30 – 40 (PSI) Inlet Pressure
Conventional Gravity	1.4 – 1.6mm	30 – 40 (PSI) Inlet Pressure
Conventional Siphon	1.6 – 1.8mm	40 – 50 (PSI) Inlet Pressure

## PRIMER / SURFACER APPLICATION



- Apply over properly prepared surfaces.
- Apply in single full wet coats, allowing 5 – 10 minutes flash between coats.
- For best results, do not apply more than 3 coats.

### Brushable / Rollable Option

- Mix according to directions. (A small amount of reducer will improve flow)
- Apply 1 even coat of PS5008A™/5009A™ Primer, making sure to cover the repair area completely into the featheredge.
- If a 2<sup>nd</sup> coat is applied, allow a 5-10 minute flash between coats.
- Apply the 2<sup>nd</sup> coat within the first coats outer edge.
- For best results, do not apply more than 3 coats.

## SEALER APPLICATION

- Apply 1 single wet coat of properly mixed PS5008A™/5009A™ as a sealer to create a uniform base.
- Allow to flash for 30 – 45 minutes before applying topcoats.

## DRY TIME TO SAND



### Primer / Surfacer Option:

- Air Dry: 1 – 1 ½ hours at 75°F per coat
- If 3 coats are applied, allow to dry overnight.
- Baking: Allow a 15-minute flash, then bake at 150°F for 45-minutes. Allow to cool before sanding.
- Final sand with 400-600 grit sandpaper.
- Recommended minimum dry film thickness after sanding is 1.5 – 2.0 mils.

### Sealer Option:

- Does not require sanding prior to topcoat unless it has dried for more than 10 hours at 75°F.
- If necessary, Air Dry: 45-minutes at 75°F to remove debris.

## DRY TIME TO TOPCOAT

### Primer / Surfacer Option:

- Primer must be sanded before topcoating.
- Topcoat within 24-hours of dry sanding or 4-6 hours after wet sanding.
- If PS5008A™/5009A™ has dried longer than the recommended recoat time, scuff with 400 - 600 grit sandpaper or finer.

### Sealer Option:

- 20 – 30 minutes per coat at 75°F prior to topcoating

**Flexible Parts** \* See PI Sheet #1020 for further Information on AP100™ and AP200.

- Clean the surface with AP100™ Flexible Parts Cleaner using a clean and dry, lint-free cloth.
- Completely scuff the repair and refinish area using a gray scuff pad and/or scuff gel and re-clean.
- Apply 2 single coats of AP200™ allowing 2-5 minutes flash between coats.
- Apply primer mixed 4:1:1 within 30 minutes of applying AP200™.
- Apply only 1 – 2 coats of primer. Avoid excessive film builds.
- Refer to information Bulletin #MC31 for further information about plastic refinishing.

**COMPATIBLE TOPCOATS**

- System 10™ Acrylic Enamel Color
- System 20™ Synthetic Enamel Color
- System 28™ 2.8 VOC Polyurethane Color
- System 50™ SkyBase® Basecoat Color
- Acrylic Urethane Topcoats
- Basecoat
- Synthetic Enamels
- System 12™ Acrylic Enamel Color
- System 22™ Acrylic Urethane Color
- System 35™ 3.5 VOC Polyurethane Color
- System 60™ 3.5VOC Polyurethane Color
- Polyurethane Color
- Acrylic Enamels
- Urethane Sealers

**SPECIAL NOTES**

- Ensure shop and repair surface temperatures are maintained above 75° prior to work.
- Ensure proper metal conditioning/preparation procedures in early stages are followed.
- Ensure proper flash times, dry times, sanding procedures, and all directions for topcoats are followed.
- Use a mixing cup for accurate volume measurements.

**PHYSICAL DATA**

	<b>Primer (4:1 Mix Ratio)</b>	<b>Sealer (4:1:2 Mix Ratio)</b>
<b>Dry to Sand/Topcoat</b>	1 – 1 ½ -hours per coat	20 – 30 minutes
<b>Film Thickness</b>	2.2 ± .3 mils per coat	+ .5 mils
<b>Volume Solids</b>	40.6%	28.5%
<b>VOC Applied</b>	4.49 lbs/gallon	< 4.5 lbs/gallon
<b># of Coats</b>	3 maximum	1
<b>Theoretical Coverage</b>	642 @ 1 mil DFT	458.28

**CLEAN-UP**

Clean spray equipment immediately following application with a quality thinner or spray gun cleaner.

**DISPOSAL**

Dispose of all paint and paint related materials in accordance with state and local regulations.

**SAFETY & HEALTH**

Read and follow all technical product information, labels, and MSDS prior to application. Keep product out of reach of children and animals. Always wear proper safety equipment (respirator, gloves, eye, and clothing protection) when using this product.

**MSDS REFERENCE**

Primer – MSDS #9  
Activator – MSDS #6  
Reducer – MSDS #1

**COMPANY INFORMATION**

ChemSpec USA  
9287 Smucker Road  
Orrville, Ohio 44667  
Toll Free: (800) 328-4892  
Fax: (330) 669-3965  
Website: [www.chemspec.co.za](http://www.chemspec.co.za)  
[www.montanabigsky.com](http://www.montanabigsky.com)

**Refer to all labels on products and information sheets for hazards and proper handling procedures for each component. Read the Material Safety Data Sheets (MSDS) supplied with the materials.**

**KEEP OUT OF REACH OF CHILDREN**